

10/089514
STN Search Summary

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FILE 'REGISTRY' ENTERED AT 15:25:49 ON 14 JAN 2005

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L1      12 S VERNAMYCIN
L2      0 S VERNAMYCIN/CN
L3      12 S VERNAMYCIN?/CN
L4      0 S CORYNESIN
L5      6 S CORYNECIN
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FILE 'CAPLUS' ENTERED AT 15:27:17 ON 14 JAN 2005

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L6      541 S L1 OR L5
L7      6 S L1 AND LOIDENSIS
L8      0 S L1 AND LOIDENS
L9      52 S L5
L10     6 S L9 AND NOCARDIA
L11     0 S NOCARDIA (W) PARAFINNICA
L12     116 S HYDROCARBOCLASTUS
L13     109 S CORYNEBACTERIUM (W) HYDROCARBOCLASTUS
L14     9 S L13 AND CORYNECIN
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=> d 17 1-6

L7 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:20705 CAPLUS
TI Streptomyces gene papM mutants with altered methylation activity promote increased synthesis of streptogramin PIA or PIB
IN Bamas-Jacques, Nathalie; Thibaut, Denis; Famechon, Alain

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------|------|----------|-----------------|----------|
| WO 2004003012 | A2 | 20040108 | WO 2003-FR1926 | 20030623 |
| WO 2004003012 | A3 | 20040415 | | |
| FR 2841563 | A1 | 20040102 | FR 2002-8057 | 20020628 |
| PRAI FR 2002-8057 | A | 20020628 | | |

L7 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1994:75617 CAPLUS
TI Microbial mutants producing specific members of the streptogramin family, preparation of these mutants, and use of the mutants to prepare the antibiotics
IN Barrere, Genevieve; Jumel, Catherine; Lacroix, Patricia; Lehmann, Corinne; Sabatier, Alain

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|----------|
| WO 9320182 | A1 | 19931014 | WO 1993-FR324 | 19930331 |
| FR 2689518 | A1 | 19931008 | FR 1992-3939 | 19920401 |
| FR 2689518 | B1 | 19950407 | | |
| ZA 9302225 | A | 19931014 | ZA 1993-2225 | 19930329 |
| IL 105205 | A1 | 19980924 | IL 1993-105205 | 19930329 |
| AU 9338934 | A1 | 19931108 | AU 1993-38934 | 19930331 |
| AU 684042 | B2 | 19971204 | | |
| EP 633928 | A1 | 19950118 | EP 1993-907916 | 19930331 |
| EP 633928 | B1 | 20031119 | | |
| JP 07505288 | T2 | 19950615 | JP 1993-517165 | 19930331 |
| JP 3421855 | B2 | 20030630 | | |
| AT 254659 | E | 20031215 | AT 1993-907916 | 19930331 |

| | | | | | |
|------|------------------|----|----------|----------------|----------|
| | PT 633928 | T | 20040430 | PT 1993-907916 | 19930331 |
| | ES 2206456 | T3 | 20040516 | ES 1993-907916 | 19930331 |
| | FI 9404563 | A | 19940930 | FI 1994-4563 | 19940930 |
| | US 6180392 | B1 | 20010130 | US 1994-307796 | 19941110 |
| PRAI | FR 1992-3939 | A | 19920401 | | |
| | WO 1993-FR324 | A | 19930331 | | |
| OS | MARPAT 120:75617 | | | | |

L7 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1993:37550 CAPLUS
 TI Microbial or enzymatic synthesis of virginiamycin M1 from virginiamycin M2
 IN Blanche, Francis; Thibaut, Denis

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | EP 506561 | A1 | 19920930 | EP 1992-400825 | 19920326 |
| | FR 2674539 | A1 | 19921002 | FR 1991-3779 | 19910328 |
| | FR 2674539 | B1 | 19930521 | | |
| | CA 2106675 | AA | 19920929 | CA 1992-2106675 | 19920326 |
| | CA 2106675 | C | 20021015 | | |
| | WO 9217491 | A1 | 19921015 | WO 1992-FR270 | 19920326 |
| | AU 9215521 | A1 | 19921102 | AU 1992-15521 | 19920326 |
| | EP 577705 | A1 | 19940112 | EP 1992-908261 | 19920326 |
| | EP 577705 | B1 | 19960605 | | |
| | JP 06506350 | T2 | 19940721 | JP 1992-507698 | 19920326 |
| | JP 3199734 | B2 | 20010820 | | |
| | IL 101388 | A1 | 19960131 | IL 1992-101388 | 19920326 |
| | AT 138934 | E | 19960615 | AT 1992-908261 | 19920326 |
| | ES 2087535 | T3 | 19960716 | ES 1992-908261 | 19920326 |
| | US 5591614 | A | 19970107 | US 1995-417445 | 19950405 |
| PRAI | FR 1991-3779 | A | 19910328 | | |
| | WO 1992-FR270 | A | 19920326 | | |
| | US 1993-119229 | B1 | 19930928 | | |

L7 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1967:68923 CAPLUS
 TI Purification of vernamycin
 IN Bodanszky, Miklos; Sheehan, John T.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | US 3299047 | | 19670117 | US | 19630814 |

L7 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1965:44211 CAPLUS
 TI Structure of vernamycin B antibiotics
 AU Bodanszky, M.; Ondetti, Miguel A.
 SO Antimicrobial Agents and Chemotherapy (1961-70) (1964), 1963, 360-5

L7 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1962:20603 CAPLUS
 TI Vernamycin A and B
 IN Donovanick, Richard; Dutcher, James D.; Heuser, Leon J.; Pagano, Joseph F.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|------|-----------------|----------|
| PI | US 2990325 | | | US | 19551116 |

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L7 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AB **Vernamycin** A (I) and B (H), esp. suitable against gram-pos. bacteria, were produced by cultivating **Streptomyces loidensis ATCC 11415** under submerged aerated conditions at 20-40.degree. for 48-96 hrs. Thus, in the 1st stage, 100 ml. medium contg.. . . to 6.8-7.2 with 12N NaOH before sterilizing at 121.degree. for 30 min., inoculated from yeast beef agar isolant of S. loidensis, was incubated at 25.degree. for 72 hrs. on a shaker. In the 2nd stage, the 1st stage culture was used. . .
IT Antibiotic substances
(vernamycin A and B as, from **Streptomyces loidensis**)
IT Streptomyces loidensis
(vernamycin A and B from)
IT Fermentation
(vernamycin A and B, by Streptomyces loidensis)
IT 9040-14-6, Vernamycin B 21411-53-0, Vernamycin A
(manuf. by Streptomyces loidensis)

L10 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1981:82161 CAPLUS
TI Chloramphenicol analog production from Nocardia cultures
PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 55034680 B4 19800908 JP 1976-124999 19761020
PRAI JP 1976-124999 A 19761020

L10 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1974:436496 CAPLUS
TI Chloramphenicol
IN Suzuki, Takeo; Tomita, Fusao
PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 48103794 A2 19731226 JP 1972-35192 19720410
PRAI JP 1972-35192 A 19720410

L10 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1974:25924 CAPLUS
TI Fermentative manufacture of chloramphenicol derivatives
IN Suzuki, Takeo; Tomita, Fusao; Nakano, Hirofumi; Honda, Haruo
PATENT NO. KIND DATE APPLICATION NO. DATE

PI DE 2316352 A1 19731018 DE 1973-2316352 19730402
DE 2316352 B2 19741114
DE 2316352 C3 19750717
JP 48099388 A2 19731215 JP 1972-33483 19720405
JP 52009758 B4 19770318
FR 2179014 A1 19731116 FR 1973-11809 19730402
CA 993821 A1 19760727 CA 1973-167753 19730402
US 3847747 A 19741112 US 1973-347399 19730403
GB 1426448 A 19760225 GB 1973-16360 19730405
PRAI JP 1972-33483 A 19720405

L10 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1973:41564 CAPLUS
 TI d-threo-2-(Acylamino)-1-(p-nitrophenyl)-1,3-propanediols
 IN Suzuki, Takeo; Tomita, Fusao; Honda, Haruo; Shirabata, Kunikatsu; Deguchi, Takashi; Machida, Tokio; Kato, Fumio

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | DE 2166090 | A | 19721130 | DE 1971-2166090 | 19710424 |
| | DE 2166090 | B2 | 19740117 | | |
| | DE 2166090 | C3 | 19740815 | | |
| | JP 49011434 | B4 | 19740316 | JP 1970-112463 | 19701217 |
| | US 3751339 | A | 19730807 | US 1971-137695 | 19710426 |
| | FR 2090768 | A5 | 19720114 | FR 1971-14917 | 19710427 |
| | GB 1344739 | A | 19740123 | GB 1971-11683 | 19710427 |
| | CA 982071 | A1 | 19760120 | CA 1971-111462 | 19710427 |
| | CA 981608 | A2 | 19760113 | CA 1974-206465 | 19740807 |
| PRAI | JP 1970-35902 | A | 19700428 | | |
| | JP 1970-112463 | A | 19701217 | | |
| | CA 1971-111462 | A3 | 19710427 | | |

L10 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1973:41563 CAPLUS
 TI d-threo-2-Propionamide-1-(p-nitrophenyl)-1,3-propanediol
 IN Suzuki, Takeo; Tomita, Fusao; Honda, Haruo; Shirabata, Kunikatsu; Deguchi, Takashi; Machida, Tokio; Kato, Fumio

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | DE 2166091 | A | 19721130 | DE 1971-2166091 | 19710424 |
| | DE 2166091 | B2 | 19740117 | | |
| | DE 2166091 | C3 | 19740815 | | |
| | JP 49011434 | B4 | 19740316 | JP 1970-112463 | 19701217 |
| | US 3751339 | A | 19730807 | US 1971-137695 | 19710426 |
| | FR 2090768 | A5 | 19720114 | FR 1971-14917 | 19710427 |
| | GB 1344739 | A | 19740123 | GB 1971-11683 | 19710427 |
| | CA 982071 | A1 | 19760120 | CA 1971-111462 | 19710427 |
| | CA 981608 | A2 | 19760113 | CA 1974-206465 | 19740807 |
| PRAI | JP 1970-35902 | A | 19700428 | | |
| | JP 1970-112463 | A | 19701217 | | |
| | CA 1971-111462 | A3 | 19710427 | | |

L10 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1972:32866 CAPLUS
 TI Manufacture of chloramphenicol analogs by fermentation of Corynebacterium, Nocardia, and Arthrobacter strains
 IN Suzuki, Takeo; Tomita, Fusao; Honda, Haruo; Shirahata, Kunikatsu; Deguchi, Takashi; Kato, Fumio

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | DE 2120153 | A | 19711111 | DE 1971-2120153 | 19710424 |
| | DE 2120153 | C3 | 19730726 | | |
| | JP 49011434 | B4 | 19740316 | JP 1970-112463 | 19701217 |
| | US 3751339 | A | 19730807 | US 1971-137695 | 19710426 |
| | FR 2090768 | A5 | 19720114 | FR 1971-14917 | 19710427 |
| | GB 1344739 | A | 19740123 | GB 1971-11683 | 19710427 |
| | CA 982071 | A1 | 19760120 | CA 1971-111462 | 19710427 |
| | CA 981608 | A2 | 19760113 | CA 1974-206465 | 19740807 |
| PRAI | JP 1970-35902 | A | 19700428 | | |

| | | |
|----------------|----|----------|
| JP 1970-112463 | A | 19701217 |
| CA 1971-111462 | A3 | 19710427 |

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- L10 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Manufacture of chloramphenicol analogs by fermentation of Corynebacterium, Nocardia, and Arthrobacter strains
 AB . . . and a mixt. of the 3-o-acetyl analogs of I were manufd. by culturing of C. hydrocarboclastus, C. equi, C. pseudodiphtheriticum, Nocardia globerula, N. hydrocarbonoxydans, and Arthrobacter paraffineus on a medium contg. n-paraffins, sucrose, and (or) glucose as C sources. Thus, aerobic. . . .
 ST chloramphenicol analogs fermn; acylamidonitrophenylpropanediols manuf fermn; nitrophenylpropanediol acylamido manuf; Corynebacterium chloramphenicol analog; Nocardia chloramphenicol analog; Arthrobacter chloramphenicol analog
 IT Arthrobacter paraffineus
 Corynebacterium
 Nocardia
 (chloramphenicol analogs manuf. by)
 IT 1885-08-1P 18048-95-8P 35098-52-3P
 RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP (Preparation)
 (manuf. of, by bacteria)
- L14 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1977:466522 CAPLUS
 TI Corynecin (chloramphenicol analogs) fermentation studies: selective production of Corynecin I by Corynebacterium hydrocarboclastus grown on acetate
 AU Nakano, Hirofumi; Tomita, Fusao; Yamaguchi, Ken; Nagashima, Minoru; Suzuki, Takeo
 SO Biotechnology and Bioengineering (1977), 19(7), 1009-18
- L14 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1977:85841 CAPLUS
 TI Distribution of chloramphenicol acetyltransferase and chloramphenicol-3-acetate esterase among Streptomyces and Corynebacterium
 AU Nakano, Hirofumi; Matsushashi, Yuji; Takeuchi, Tomio; Umezawa, Hamao
 SO Journal of Antibiotics (1977), 30(1), 76-82
- L14 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1976:147421 CAPLUS
 TI Biosynthesis of Corynecins by Corynebacterium hydrocarboclastus: on the origin of the N-acyl group
 AU Nakano, Hirofumi; Tomita, Fusao; Suzuki, Takeo
 SO Agricultural and Biological Chemistry (1976), 40(2), 331-6
- L14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1976:101997 CAPLUS
 TI Role of p-aminophenylalanine in biosynthesis of corynecins and aromatic amino acids by Corynebacterium hydrocarboclastus
 AU Nakano, Hirofumi; Tomita, Fusao; Suzuki, Takeo
 SO Agricultural and Biological Chemistry (1976), 40(1), 207-12

L14 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1975:121405 CAPLUS
 TI Incorporation of shikimic acid into corynecins and its regulation
 AU Nakano, Hirofumi; Tomita, Fusao; Suzuki, Takeo
 SO Agricultural and Biological Chemistry (1974), 38(12), 2505-9

L14 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1975:96461 CAPLUS
 TI Fermentative production of chloramphenicol analogs (corynecins) from sucrose
 AU Suzuki, Takeo; Tomita, Fusao; Nakano, Hirofumi
 SO Agricultural and Biological Chemistry (1974), 38(12), 2477-81

L14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1975:96460 CAPLUS
 TI Production of corynecins by mutants defective in glycolipid synthesis and increased in corynecin I
 AU Nakano, Hirofumi; Tomita, Fusao; Suzuki, Takeo
 SO Agricultural and Biological Chemistry (1974), 38(12), 2471-5

L14 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1975:70160 CAPLUS
 TI Production of corynecins by chloramphenicol resistant mutants of *Corynebacterium hydrocarboclastus*
 AU Tomita, Fusao; Nakano, Hirofumi; Honda, Haruo; Suzuki, Takeo
 SO Agricultural and Biological Chemistry (1974), 38(11), 2183-8

L14 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1974:567766 CAPLUS
 TI Further studies on production of chloramphenicol analogs (corynecins) from n-alkanes
 AU Tomita, Fusao; Nakano, Hirofumi; Suzuki, Takeo
 SO Agricultural and Biological Chemistry (1974), 38(9), 1673-8